



## Case Study: Canal Commons

### PROJECT DETAILS

**Project Name**

Canal Commons

**Location**

Bend

**Property Size**

6 Buildings  
48 Units

**Electric Utility**

Pacific Power

**Completion Year**

2020

**Project Type**

New Construction

**Program Pathway**

Whole Building

**Developer**

Pacific Crest Affordable Housing

**Energy Consultant**

Oregon Green Raters, LLC

**Reserved Incentive**

\$208,611

**Electric Energy Savings\***

44.1% Compared to Code (2014 OEECS)  
222,389 kWh

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“The energy efficiency measures have real, positive impacts over the short- and long-term. The OR-MEP program funds are meaningful from the standpoint of helping make these projects financially viable.”  
-Ben Bergantz, Project Coordinator

### Project Summary

The Oregon Multifamily Energy Program (OR-MEP) reduced the incremental costs of implementing energy efficiency measures in Canal Commons, a workforce housing community. Pacific Crest Affordable Housing designed Canal Commons through an iterative exploration, applying lessons learned about energy efficiency from their other recent developments. With a foundation of energy efficient design, nearly all the energy used at Canal Commons will be generated by on-site solar. This approach aims to reduce the energy burden on residents, provide the best economic return, and protect the building and its residents from rising utility costs.

### Measures Summary

OR-MEP incentivized the following energy efficiency measures at Canal Commons:



- Variable Refrigerant Flow (VRF) Heat Pumps
- Energy Recovery Ventilation



- LED Interior Lighting



- Wall Insulation
- Efficient Windows
- ENERGY STAR Doors
- Attic Insulation
- Reduced Infiltration



- ENERGY STAR Refrigerators
- ENERGY STAR Dishwashers

\*Energy savings are based on program modeling that compares projected electricity use to code baseline. Energy savings from any other fuels, such as gas, are not factored into OR-MEP energy savings and percent improvement calculations. This case study is provided as an example, and energy savings may vary for other projects depending on site specifics and code year.